

VZ200

Graphic Sine Waves for VZ200.

By Dean Nickasen, Murrumbidgee, VIC

This program will draw sine-waves in the graphic symbols of the VZ200. Lines 10 to 90 input the values for the sinewave. Lines 100 to 200 plot the graph. The purpose of line 210 is to keep the computer in the graphics mode.

To modify the program for other computers, lines 100 to 200 will have to be changed. Instead of setting points, a PRINT TAB(Z) statement will work. The program will also work on the VZ200 in this manner.

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10 REM GRAPHIC SINE WAVES
20 REM BY DEAN NICLASSEN
30 REM SEPTEMBER 1983
40 CLS
50 PRINT" ENTER THE LOWEST LIMIT FOR X";:INPUT A
60 PRINT
70 PRINT" ENTER THE UPPER LIMIT FOR X";:INPUT B
80 PRINT
90 PRINT ENTER EXPANSION AND SHIFT";:INPUT E,S
100 MODE(1)
110 FOR X=A TO B STEP(B-A)/80
120 Y=2*COS(4*X-.349)+3*SIN(3*X+1.309)
130 Z=E*I+S
140 IF Z>127 OR Z<63 THEN 210
150 COLOR 3,0
160 SET(S+40,G)
170 COLOR 2,0
180 SET(Z+40,G)
190 G=G+1
200 NEXT X
210 GOTO 210
```